Title (en)

PROCESS FOR PRODUCING FLUORINATED POLYMER

Title (de)

VERFAHREN ZUR HERSTELLUNG VON FLUORPOLYMER

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN POLYMÈRE FLUORÉ

Publication

EP 3339334 B1 20190417 (EN)

Application

EP 16839123 A 20160812

Priority

- JP 2015163725 A 20150821
- JP 2016073780 W 20160812

Abstract (en)

[origin: US2018118858A1] To provide a process for producing a fluorinated polymer having a cyclic structure at a relatively low cost, by efficiently recovering, from a mixture containing a fluorinated polymer obtained by polymerizing a perfluoromonomer having a cyclic structure and an unreacted perfluoromonomer having a cyclic structure, the unreacted perfluoromonomer having a cyclic structure. A monomer component containing a perfluoromonomer having a specific cyclic structure is polymerized in the presence of a polymerization initiator at a predetermined polymerization temperature to obtain a mixture containing a fluorinated polymer and an unreacted cyclic structure monomer, and the perfluoromonomer having a cyclic structure is recovered from the mixture at a temperature of at most the maximum ultimate temperature of the polymerization temperature+12° C. and at most the 10 hour half-life temperature of the polymerization initiator+12° C. under a pressure of less than the atmospheric pressure.

IPC 8 full level

C08F 6/10 (2006.01); **C08F 6/00** (2006.01); **C08F 14/18** (2006.01); **C08F 24/00** (2006.01); C08L 27/12 (2006.01)

CPC (source: EP RU US)

C08F 6/001 (2013.01 - EP RU US); **C08F 6/10** (2013.01 - RU US); **C08F 14/185** (2013.01 - RU US); **C08F 24/00** (2013.01 - EP RU US); **C08F 34/02** (2013.01 - EP RU US)

C-Set (source: EP US)

C08F 6/001 + **C08L 27/12**

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DOCDB simple family (publication)

US 10611859 B2 20200407; **US 2018118858 A1 20180503**; CN 107922531 A 20180417; CN 107922531 B 20200221; EP 3339334 A1 20180627; EP 3339334 A4 20181010; EP 3339334 B1 20190417; JP 6763389 B2 20200930; JP WO2017033776 A1 20180607; RU 2018106023 A 20190923; RU 2018106023 A3 20191128; RU 2712063 C2 20200124; WO 2017033776 A1 20170302

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